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**FAX TO: SMITH, TYRONE W  
ART UNIT: 2837**

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**FROM: Winston Hsu, PATENT AGENT, REG. NO.: 41,526**

**SERIAL NO.: 10/708,765**

**ATTORNEY DOCKET NO.: VIAP0092USA**

**SUBJECT: INFORMATION DISCLOSURE STATEMENT**

**TOTAL PAGES: 33 PAGES (INCLUDING COVER PAGE)**

**Winston Hsu 2004/12/16**

**VIAP0092USA0\_D1\_1**

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PTO/SB/97 (09-04)

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- (1) Transmittal Form
- (2) Fee Transmittal
- (3) Information Disclosure Statement

1 PAGE  
1 PAGE  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/708,765
	Filing Date	03/24/2004
	First Named Inventor	Yi-Chung Chan
	Art Unit	2837
	Examiner Name	SMITH, TYRONE W
	Attorney Docket Number	VIAP0092USA
Total Number of Pages in This Submission	31	

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	North America Intellectual Property Corporation		
Signature	<i>Winston Hsu</i>		
Printed name	Winston Hsu		
Date	DEC 15 2004	Reg. No.	41,526

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

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PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0851-0032  
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<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b> <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/708.765
<b>TOTAL AMOUNT OF PAYMENT</b> (\$ ) 0.00		Filing Date	03/24/2004
		First Named Inventor	Yi-Chung Chan
		Examiner Name	SMITH, TYRONE W
		Art Unit	2837
		Attorney Docket No.	VIAP0092USA

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
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<b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.	

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
<b>Application Type</b>	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>	<b>Fee (\$)</b>	<b>Small Entity Fee (\$)</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							
<b>Fee Description</b>							<b>Small Entity Fee (\$)</b>
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent							50
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent							200
Multiple dependent claims							360
<b>Total Claims</b>							
- 20 or HP = _____ x _____ = _____							
HP = highest number of total claims paid for, if greater than 20							
<b>Indep. Claims</b>							
- 3 or HP = _____ x _____ = _____							
HP = highest number of independent claims paid for, if greater than 3							
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fees Paid (\$)</b>			
_____ - 100 = _____	_____ / 50 = _____	(round up to a whole number)	x _____ = _____				
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)							
Other: _____							

<b>SUBMITTED BY</b>			
Signature	<u>Winston Hsu</u>	Registration No. (Attorney/Agent)	41,526
Name (Print/Type)	Winston Hsu	Telephone	302-729-1562
		Date	DEC 15 2004

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**Complete If Known**

**(Use as many sheets as necessary)**

Application Number	10/708,765
Filing Date	03/24/2004
First Named Inventor	Yi-Chung Chan
Art Unit	2837
Examiner Name	SMITH, TYRONE W
Attorney Docket Number	VIAP0092USA

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	1	DE 4242068	06-16-1994	Kau Robert et al.		+
	2	CN 1059990C	12-27-2000			+

Examiner Signature		Date Considered	
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Yi-Chung Chan,

5                   Jacky Lee

                  Alex Lin

Filing Date: 03/24/2004

Art Unit: 2837

Serial No.: 10/708,765

10   Docket No.: VIAP0092USA

Confirmation No.: 2764

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Title: METHOD AND REALTED APPARATUS FOR CONTROLLING  
CALIBRATION OF A STEPPING MOTOR

15

To: Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

20   Subject: Information disclosure statement under 37C.F.R.§1.56.

Dear Sir/Madame:

25       This is an Information Disclosure Statement in accordance with the  
duty to disclose information material to patentability under 37 C.F.R.  
§1.56. Applicants wish to make of record the documents listed on the  
accompanying form PTO/SB/42. It is respectfully requested that the  
examiner initials the cited references on the form and that it be made of  
record in the application and that a copy of the initialed form be sent to  
30   the applicant with the next communication from the examiner.

Since the IDS is filed before the mailing date of a first Office action

on the merits, consideration of the information disclosure statement is hereby requested according to 37 C.F.R. §1.97(b). The items of information contained in the information disclosure statement were first cited in the communication from the State Intellectual Property Office of the People's Republic of China on Sept. 24, 2004 for a counterpart foreign application. Applicants sincerely hope that the examiner can consider the items contained in the information disclosure statement.

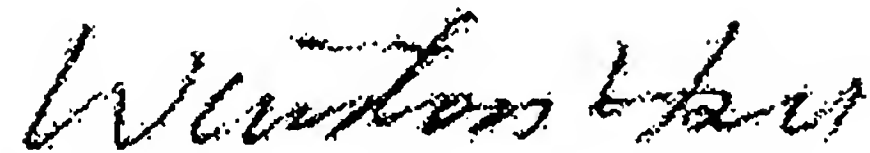
According to the requirement set forth in 37 C.F.R. §1.98 and M.P.E.P. 609, applicants are submitting copies of the cited references (CN 1059990C, DE 4242068A1), a concise explanation of the CN 1059990C hereinafter, and an English abstract of DE 4242068 A1.

CN 1059990C discloses a method for controlling a stepping motor. In CN 1059990C the stepping motor is connected to a control device and a fax device. Based on a predetermined relationship between the torque and the current, a current corresponding to a target torque  $T_0$  is sent to the stepping motor for driving the fax device. An integrator is used to calculate the current of the loading device and sends the value to a CPU1. The CPU1 transforms the loading current to a loading torque  $T$ . Based on the difference between the loading torque  $T$  and the target torque  $T_0$ , a corresponding amount of current is sent to the stepping motor for calibration.

25

Respectfully Submitted,

5



Date: December 15, 2004

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

10 Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

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